1 22/75 By Ronald Kessler Washington Post Staff Writer

and room converstions to an able. outside listener, a nationally wiretap recognized expert

Martin L. Kaiser, who has bugs. been a supplier of wiretaps and bugs to the CIA, FBI, Nabecome possible when AT&T begins using the special lights rather than conventional light bulbs to indicate that a line is in use on a multiline telphone.

These new lights within five years, than \$15 per bug. AT&T spokesman Conrad Po-

Kaiser, who manufactures both bugging and de-bugging devices, said in a interview in his Fimonium Md. plant that his Timonium, Md., plant that a relatively simple modification turns the phones into bugs that transmit voices sign some distance away, he through the lights to any point within sight of the installation.

Because the light-bugs operate on telephone current, they will transmit indefinitely, Kaiser said. And because they transmit through light waves rather than radio waves, or wires used by conventional bugs, the new devices are more difficult to detect during de-bugging operations than other devices, he said.

Kaiser said the key to the new technique is a new kind of light source called a light emitting diode (LED).

By modulating, or adjusting, the light emissions to con-form with sound wave frequencies, LEDs can be used as transmitters, experts agree.

AT&T plans to switch to LEDs because they last indefinitely, cutting down on repair calls made to replace indicator lights, AT&T spokesman Pologe said.

·He said AT&T was not previously aware that the new phones could be bugged through the LEDs, but he said no consideration is being given to changing plans to introduce them.

"We will look for it (LED bugs) when asked to check for wiretaps by customers,"

· A spokesman for Bell Laboratories, the research arm

AT&T, at first denied LEDs | Kaiser said he has monican be used for bugging.

A new telephone that American Telephone & Telegraph Bickle, later said they could mile away. Co. will introduce nationwide be used for bugging but would has special lights that can be be "impractical" compared lan D. Bell, president of Dekused to transmit telephone with techniques already avail- tor Counterintelligence

> Other experts said the LED bugs would be about as easy to install as currently used tance of about 65 yards.

Bickle and Kaiser pointed out that LEDs cannot transmit tional Security Agency, and through drapes or blinds. Army intelligence units, says Bickle also said that rain or the new bugging technique snow would reduce transmis he said their installation on sion quality.

Conversion of the new phones to bugging devices would require movement of several wires and installation of an electronic component voices at all times by lowering telophones-callled the size of a pinhead within key sets and Call-Directors- the telephone, Kaiser said. He them on. The fact that they will come equipped with the said the cost would be less

Installation of another LED

an apartment house across the standards, he said, LEDs are street, a telephone pole or a relatively easy to install added. The listening post issues its new telephone sets must, however, have an unob- he said, "The bugs will comstructed view of the location as standard equipment wit being bugged.

tored an LED bug he installed for test purposes from half a

Security Inc. in Springfield, Va., said he has tested an LED bug in daylight over a dis-

Bell, a former Army intelligence wiretapper who is a competitor of Kaiser, said he would generally prefer to use other bugging techniques. But telephones expands the arsenal of techniques available to wiretappers.

But he said the lights can be modified to transmit room their intensity and keeping are on cannot be detected in normal room lighting, he said.

A good bug, Kaiser said, loge said. Some will have the size of a pinhead on the must be difficult to detect. could beam the bugged signals LEDs that a de-bugging expert through any window to a lis-tening post outside, he said. is not going to be looking for light signals," he said.

By normal When the telephone company your telephone.

Expert Calls New Telephone Vulnerable to Eavesdropping